## I. AMENDMENTS

## Claims

Please amend claims 32, 74, 75, 76, and 79 as indicated below. Please cancel claims 77 and 78. Please add claims 81-83. Upon entry of the present amendment, the status of the claims will be as follows:

1 to 30. (Cancelled)

- 31. (Previously presented) A kit comprising:
- (a) a microarray comprising a plurality of antibodies located at discrete locations on a solid surface; and
  - (b) a first reagent for labeling a cell lysate.
- 32. (Currently amended) A kit according to claim 31 further comprising instructions are for comparing protein expression in two or more populations of cells or characterizing a cell based on the pattern of protein expression produced thereby.
- (Original) A kit according to claim 31 wherein the antibodies are monoclonal antibodies, polyclonal antibodies or antibody fragments.
- (Original) A kit according to claim 33 wherein the antibody fragments are single chain antibodies.
- (Original) A kit according to claim 31 wherein the antibodies are recombinant antibodies.
- 36. (Original) A kit according to claim 31 further comprising reagents for detecting an antigen and instructions for use thereof.

37. (Previously presented) A microarray comprising a plurality of antibodies located at discrete locations on a solid surface, wherein the antigen specificity of the plurality of antibodies is unknown.

## 38. (Cancelled).

- (Previously presented) The microarray according to claim 37 wherein the antibodies are recombinant antibodies.
- (Previously presented) The microarray according to claim 37 wherein the antibodies are single chain antibodies.
  - 41 to 50. (Cancelled)
- 51. (Previously Presented) The kit according to claim 31 wherein the source of the antibodies at each discrete location is known.
- 52. (Previously presented) The kit according to claim 31, said microarray having the locations of the antibodies arranged in an ordered matrix that is spatially addressable.
  - 53. (Cancelled).
- 54. (Previously presented) The kit according to claim 31 wherein the space between the discrete locations is treated to minimize non-specific binding to the solid surface.
- 55. (Previously presented) The microarray according to claim 37 wherein the source of the antibodies at each discrete location is known.
- 56. (Previously presented) The microarray according to claim 37, said microarray having the locations of the antibodies arranged in an ordered matrix that is spatially addressable.

- 57. (Cancelled).
- 58. (Previously presented) The microarray according to claim 37 wherein the space between the discrete locations is treated to minimize non-specific binding to the solid support.
- (Previously presented) The microarray according to claim 37 wherein the antibodies are monoclonal antibodies, polyclonal antibodies or antibody fragments.
- 60. (Previously presented) The kit according to claim 31, wherein between 0.01 nanoliters and 100 nanoliters of the antibodies are spotted at each discrete location on the solid surface.
- (Previously presented) The kit according to claim 31, wherein the microarray comprises 600 discrete locations per square centimeter.
- 62. (Previously presented) The kit according to claim 51, wherein the source of the antibodies is a known hybridoma cell line.
- 63. (Previously presented) The microarray according to claim 37, wherein between 0.01 nanoliters and 100 nanoliters of the antibodies are spotted at each discrete location on the solid surface.
- (Previously presented) The microarray according to claim 37, which comprises 600 discrete locations per square centimeter.
- 65. (Previously presented) The microarray according to claim 55, wherein the source of the antibodies is a known hybridoma cell line.
- 66. (Previously presented) The kit according to claim 31, wherein the plurality of antibodies recognize mammalian proteins.

- 67. (Previously presented) The kit according to claim 31, further comprising a second reagent for labeling a second cell lysate.
- 68. (Previously presented) The kit according to claim 67, wherein the first reagent comprises a first detectable label and the second reagent comprises a second detectable label.
- 69. (Previously presented) The kit according to claim 31, further comprising a second microarray comprising a plurality of antibodies located at discrete locations on a second solid surface.
- 70. (Previously presented) A microarray comprising a plurality of antibodies located at discrete locations on a solid surface, wherein the antibodies recognize proteins of a first species.
- (Previously presented) The microarray according to claim 70, wherein the plurality of antibodies recognize mammalian proteins.
- 72. (Previously presented) The microarray according to claim 70, wherein between 0.01 nanoliters and 100 nanoliters of the antibodies are spotted at each discrete location on the solid surface.
- 73. (Previously presented) The microarray according to claim 70, wherein the microarray comprises 600 discrete locations per square centimeter.
- 74. (Currently amended) The kit according to claim 31, wherein the microarray comprises antibodies <u>spotted at at least from 48 different antibody preparations discrete locations</u> that recognize mammalian proteins.

- 75. (Currently amended) The kit according to claim 74, wherein the microarray comprises antibodies <u>spotted at at least from 90 different antibody preparations discrete locations</u> that recognize mammalian proteins.
- 76. (Currently amended) The kit according to claim 31, wherein the microarray comprises a collection of <u>1000 different</u> antibodies. that recognize a set of <u>1000 human</u> antigens.

## 77-78. (Cancelled)

- 79. (Currently amended) The microarray according to claims 70, wherein the microarray comprises a collection of <u>1000 different</u> antibodies. that recognize a set of <del>1000 human antigens.</del>
- 80. (Previously presented) The microarray according to claim 70, wherein the microarray further comprises an antigen from a cell lysate, wherein the antigen is bound to a characterized antibody located on the solid surface.
- 81. (New) The kit according to claim 75, wherein the microarray comprises antibodies spotted at at least 384 discrete locations.
- 82. (New) The kit according to claim 31, wherein the microarray comprises antibodies spotted at at least 60 discrete locations, wherein the antibodies bind mammalian proteins.
- 83. (New) The kit according to claim 31, wherein the microarray comprises antibodies spotted at at least 192 discrete locations, wherein the antibodies bind mammalian proteins.